

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** March 12, 2004

**Inspector:** Diana Walden

**Location:** Norwalk Substation Expansion

**Storm/**

**Rain Event** 0.63" of precipitation was recorded on 3/6 and 0.24" fell over 3/8-3/9.

Areas of Inspection	Observation	Recommended Action
Access Roads	<p>- Work areas and access roads were extremely muddy after the weekend. Excess mud had been pushed aside and the area has quickly dried out. 3/12/04</p> <p>- If muddy conditions retain, it may be appropriate to use more gravel or install mats in order to stabilize the area. 3/12/04</p> <p>- The roadways continue to look maintained. New Canaan Avenue is free of sediment 2/27-3/12/04</p>	<p>- None at this time. Continue to monitor. 1/15-3/12/04</p> <p>- None at this time. Continue to monitor. 3/12/04</p>
Foundation construction	<p>- Construction of the concrete retaining walls continues at this time. 3/3-3/12/04</p> <p>- A good portion of backfilling had taken place at the foundation construction at the edge of the fenced yard. The area is well controlled and within the silt fence. 3/12/04</p> <p>- The manhole excavation has</p>	<p>- Continue to monitor any potential impacts to the silt fence during work. 1/22-3/12/04</p> <p>- The major trench work areas are being stabilized with well-constructed shoring for safety reasons 2/13-3/12/04</p>

Areas of Inspection	Observation	Recommended Action
	<p>been largely backfilled. A smaller excavation is taking place adjacent to the roadway. This stockpile will not be here long. 3/12/04</p> <p>- Foundations for towers are also being constructed toward the center of the site but all excavations are well contained 3/12/04</p>	<p>- Haybales should be installed at the stockpile to prevent sedimentation to the road for the time-being. 3/12/04</p>
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- The warm weather continues and the area is fairly dry. Rain earlier in the week caused some mud in the access roads which was pushed aside. Snow may be coming this week. 3/12/04</p>	<p>- Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22-3/12/04</p>
	<p>- Silt fence remains in place and is effectively preventing sediment from entering the river. 1/15-3/12/04</p> <p>-A few areas of the fence show some wear in the fabric or a broken post and should be repaired when possible. 3/3-3/12/04</p>	<p>- Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. 1/15-3/12/04</p> <p>- Keep up with silt fence repair as needed, and continue to be proactive 3/12/04</p>

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls contd.	<ul style="list-style-type: none"> <li>- Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. 1/15-3/12/04</li> <li>-The soil shows no indication of movement at this time, however weather is growing warmer. 2/27-3/12/04</li> <li>- The second topsoil stockpile remains in place due to the excavations for the retaining walls. This is located approximately in the center of the site and will be able to be reused. 3/3-3/12/04</li> </ul>	<ul style="list-style-type: none"> <li>- This pile may start to be utilized in the near future. If this does not occur as soon as anticipated, it appears to be an appropriate time to place the second barrier of silt fence at the toe of the pile before rains have a chance to potentially cause some soil migration. 3/3-3/12/04</li> <li>- This pile is separated from the outer silt fence line by the retaining walls. 3/12/04</li> </ul>
	<ul style="list-style-type: none"> <li>- Some sedimentation and slight undercuts have occurred at the swale's inlet to the basin. 2/27-3/12/04</li> <li>- Dewatering activities are complete at this time. 3/12/04</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor the basin and outlets for any sediment laden flows and repair and stabilize any noted erosion on the banks or swales 3/12/04</li> </ul>
	<ul style="list-style-type: none"> <li>- The previously disturbed area beyond the silt fence at the northern end of the site has been graded and mulched with straw at this time and remains stable. 2/20-3/12/04</li> </ul>	<ul style="list-style-type: none"> <li>- When work extends here in the future, the silt fence should be extended to encompass it 3/12/04</li> </ul>
	<ul style="list-style-type: none"> <li>- A concrete washout station has been set up as requested with a haybale corral, and it has been used appropriately. 3/12/04</li> <li>- One fairly large washout was noted near the retaining wall but for the most part the existing station is being used. 3/12/04</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to use a few fairly contained locations for all concrete washouts. An additional station should be set up in another location if necessary. 3/12/04</li> <li>- The dried concrete is not a problem but washout water in liquid state is high in pH and can be corrosive.</li> </ul>

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> <li>- The soil with levels of lead greater than 2000 ppm has been appropriately moved off site and disposed of. 3/12/04</li> </ul>	<ul style="list-style-type: none"> <li>- None at this time. 3/12/04</li> </ul>
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> <li>- The silt fence remains in place and it is effective in controlling the sediment on site. 1/22-3/12/04.</li> <li>- The mulched area on the bank near the basin remains well stabilized 2/20-3/12/04.</li> <li>- The area on the river side of the retaining wall has been backfilled over the riprap. Riprap still needs to be placed at the overflow culvert. 3/12/04</li> </ul>	<ul style="list-style-type: none"> <li>- Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet. 1/22-3/12/04</li> <li>- Monitor the riverbank as well and make repairs as necessary. Be ready to temporarily stabilize the bank with vegetation. 3/3-3/12/04</li> <li>- If it becomes necessary to do more beyond the scope of what was approved, DEP will be approached. 3/12/04</li> </ul>
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> <li>- No species of concern are located in this area of construction.</li> </ul>	<ul style="list-style-type: none"> <li>- N/A</li> </ul>
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> <li>- As stated, backfill was placed over the riprap fill at the base of the retaining wall. The area on the riverbank side of the silt fence has not been touched but revegetation may be necessary 3/12/04</li> <li>- Roots and stumps are left in place here. 3/12/04</li> </ul>	<ul style="list-style-type: none"> <li>- The areas near the river still appear stable. There are no serious erosion issues. 1/15-3/12/04</li> <li>- The more vegetation left in place at the river, the more stable the bank will be. 3/12/04</li> <li>- Temporary vegetative stabilization measures for the bank should be considered if it becomes apparent in the spring that there will be any bare spots. 3/3-3/12/04</li> </ul>
Dewatering	<ul style="list-style-type: none"> <li>- Dewatering activities are complete at this time. 3/12/04</li> </ul>	<ul style="list-style-type: none"> <li>-No actions required at this time. 3/12/04</li> </ul>

Areas of Inspection	Observation	Recommended Action
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	<p>- No spills were reported this week and no spills were observed during inspection. 3/12/04</p> <p>- Tracking pads/diapers have been placed under some of the equipment parked on site in an effort to reduce any drips. 2/20-3/12/04</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. There may be new procedures implemented for this- i.e. walk around checks on equipment on a regular basis.</p> <p>- The practice of using “diapers” is highly encouraged for any vehicle or equipment with a known leak.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional/Miscellaneous Observations	<p>-A potentially large snowstorm is forecasted within the coming week.</p> <p>- A quick inspection was made to the Plumtree Substation in Bethel to observe the minor work here. Some brush inside the substation yard was cleared and a few small boring holes were present. No soil disturbing activities have occurred. 3/12/04</p>	- Continue to watch all areas along the bank and provide additional enforcement if needed.

**Next likely scheduled inspection:**

Thursday March 18, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:** Diana Walden



THE FOUNDATION CONSTRUCTION AREAS NEAR THE EDGE OF THE FENCED YARD HAVE BEEN BACKFILLED FOR THE MOST PART. 3/12/04



VIEW OF THE DRY SEDIMENT BASIN. THE DEWATERING ACTIVITIES ARE COMPLETE AND THE BASIN IS NOT RECEIVING ANY RUNOFF. 3/12/04





THE RIPRAP PLACED AT THE BASE OF THE WALL HAS BEEN BACKFILLED. SILT FENCE IS STILL WELL IN PLACE BUT TEMPORARY VEGETATIVE STABILIZATION SHOULD BE CONSIDERED 3/12/04



OVERALL VIEW OF THE SITE WITH THE TWO MAIN RETAINING WALLS. 3/12/04





A CONCRETE WASHOUT AREA HAS BEEN SETUP AND IS BEING UTILIZED, HOWEVER ONE WASHOUT WAS NOTED IN ANOTHER LOCATION. 3/12/04





VIEW OF STOCKPILE FROM THE EXCAVATION ALONG THE ROUTE 7 RAMP.  
HAYBALES SHOULD BE PLACED HERE TO PREVENT RUN-OFF TO THE ROAD.  
3/12/04



EXCAVATIONS FOR CONCRETE FOUNDATIONS OF TOWERS. THE AREAS ARE  
WELL CONTROLLED. 3/12/04



VIEW OF THE YARD AT BETHEL PLUMTREE SUBSTATION. THE AREA WITHIN THE YARD HAS BEEN CLEARED OF BRUSH. NO OTHER ACTIVITIES HAVE OCCURRED.  
3/12/04